

**COUNCIL SUSTAINABILITY COMMITTEE MEETING**  
**MONDAY, MARCH 11, 2019**

**PRESENTATIONS**

# **PRESENTATION**

## **CLIMATE MAYORS ELECTRIC VEHICLE PURCHASING COLLABORATIVE**

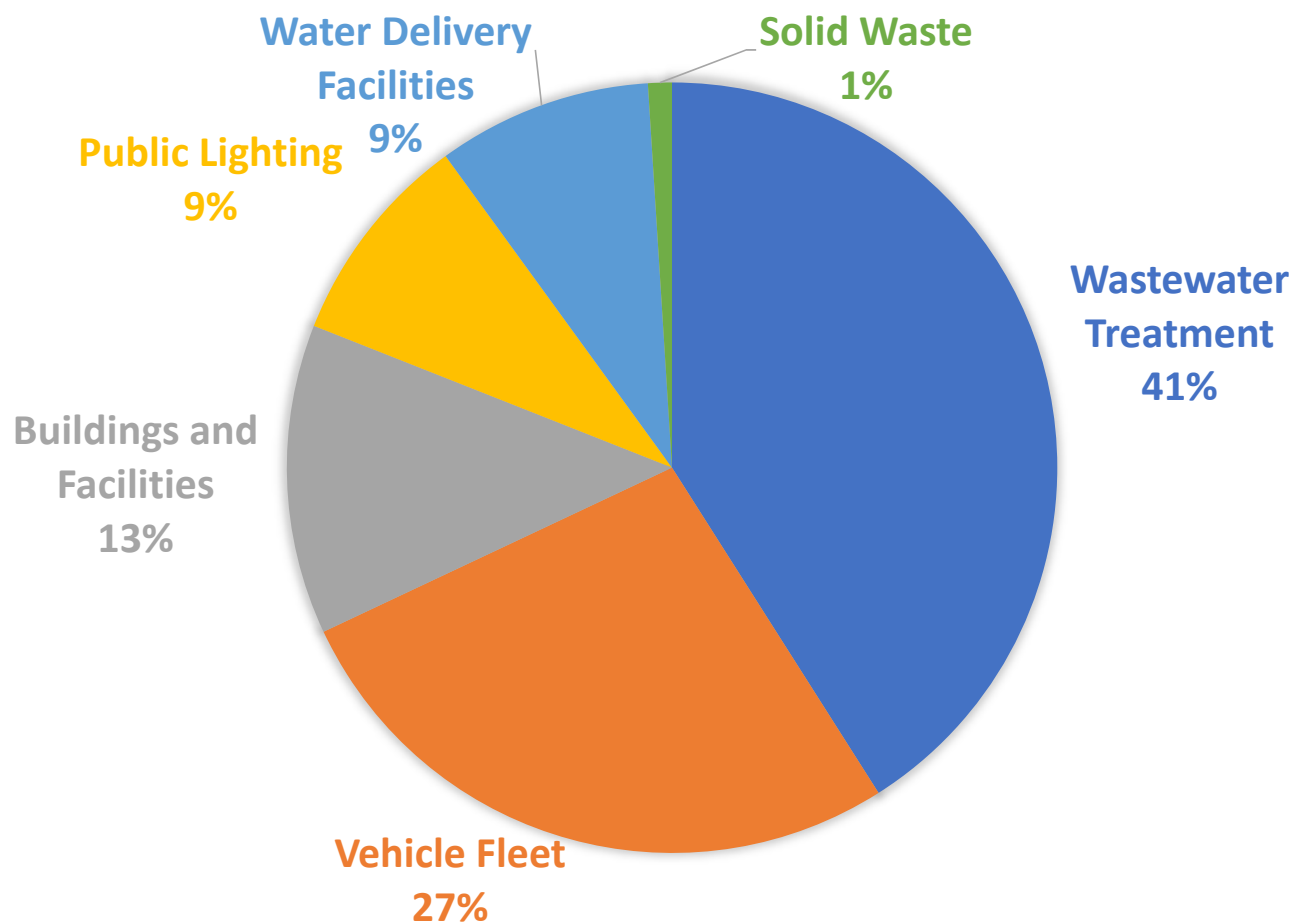
MONDAY, MARCH 11, 2019

# **Climate Mayors Electric Vehicle Purchasing Collaborative Council Sustainability Committee**

March 11, 2019

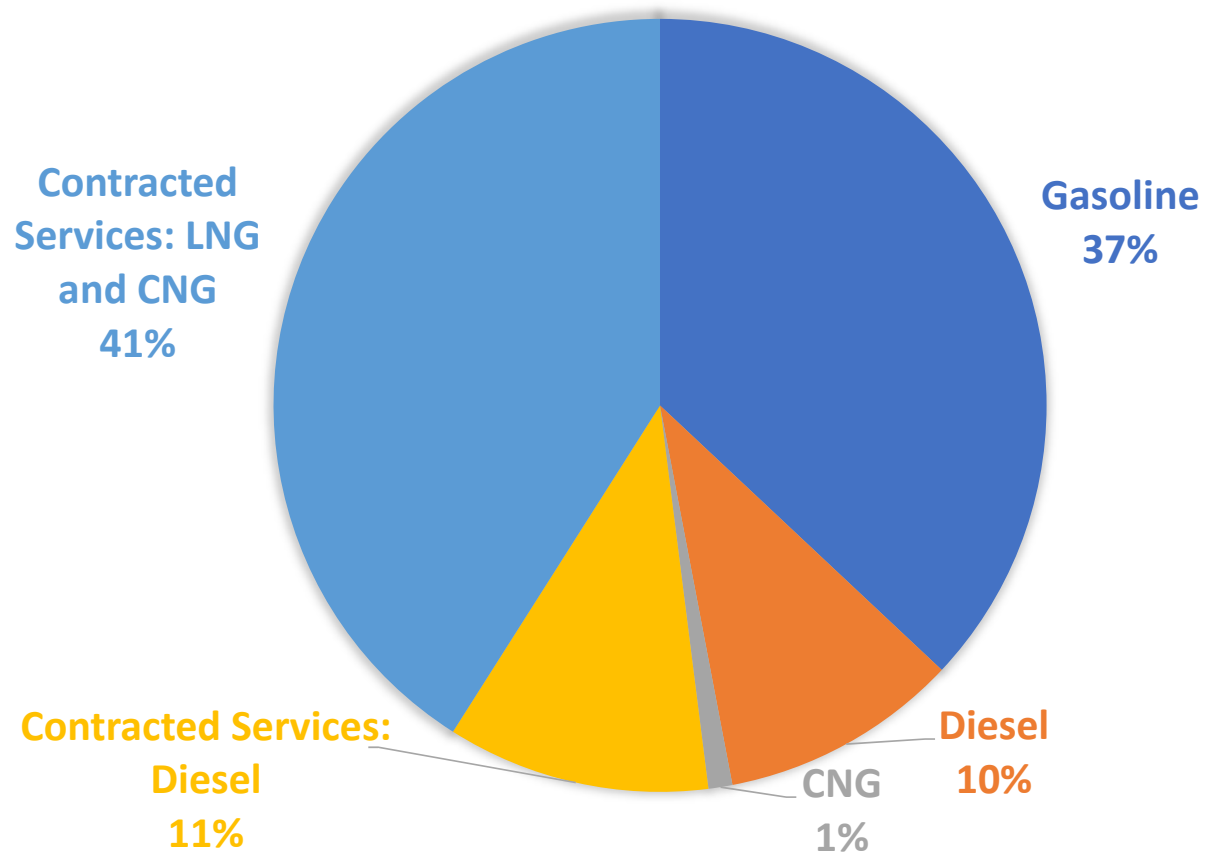


# Hayward Municipal CO2e Emissions by Sector (2010)





## Municipal Vehicle Fleet Emissions by Source (2010)



## Hayward's Fleet

Currently:

- 425 Vehicles
  - 1 Electric Vehicle
  - 4 Electric Motorcycles
  - 15 Hybrids (ordering 6 more)
- Piggybacking on Alameda County contract



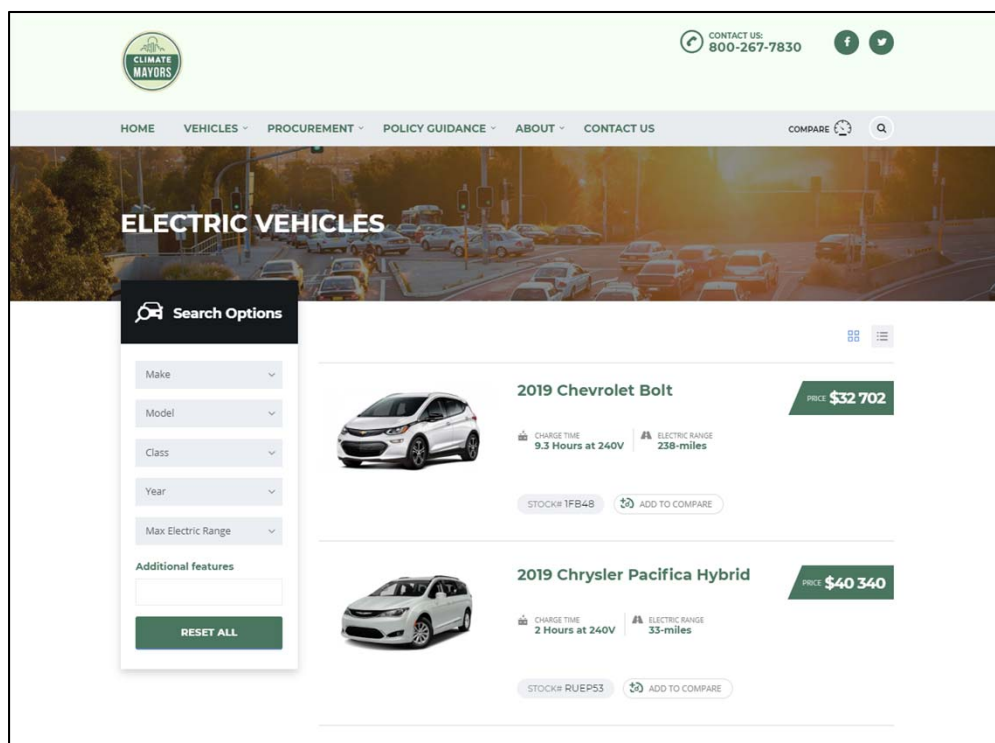
In the Future:

- Next Fiscal Year likely to order 2 - 4 passenger EVs
- Could replace approx. 50 fleet vehicles with EVs

## Challenges with Electric Vehicles for Hayward

- Lack of Charging Infrastructure
- Significant Up-front Costs
- Limited Vehicle Range
- Unavailability of Federal Tax Credits

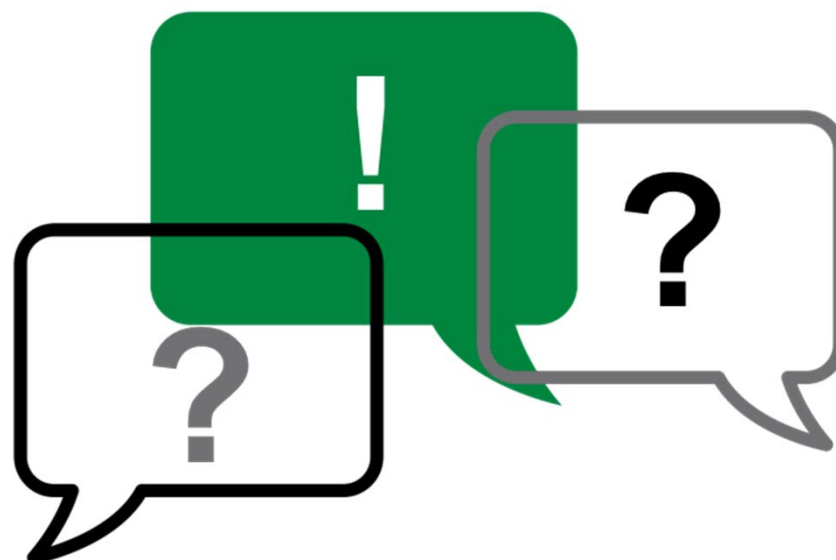
# Addressing Challenges Through the Collaborative



- Vehicles competitively priced; can lease with zero down
- Vehicle ranges up to 238 miles
- Contracts with charging station vendors
- Federal tax credits available on leased vehicles

# Questions

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# **PRESENTATION**

## **PCBs MANAGEMENT FOR DEMOLITION PROJECTS**

MONDAY, MARCH 11, 2019



# PCBs Management for Demolition Projects

## Council Sustainability Committee

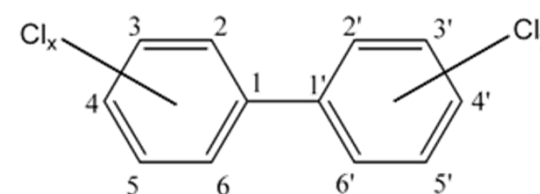
March 11, 2019



# Polychlorinated Biphenyls (PCBs)

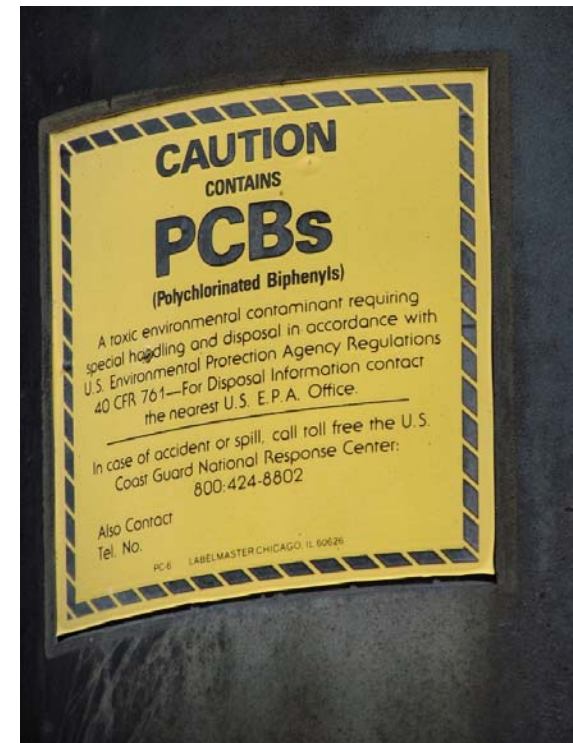
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- Group of man-made organic chemicals manufactured from 1929 until banned in 1979
- Used in hundreds of industrial and commercial applications such as electrical, heat transfer and hydraulic equipment, plasticizers, pigments, and copy paper.
- Products include electrical equipment, fluorescent light ballasts, adhesives, paint, caulking, plastics, floor finishes.

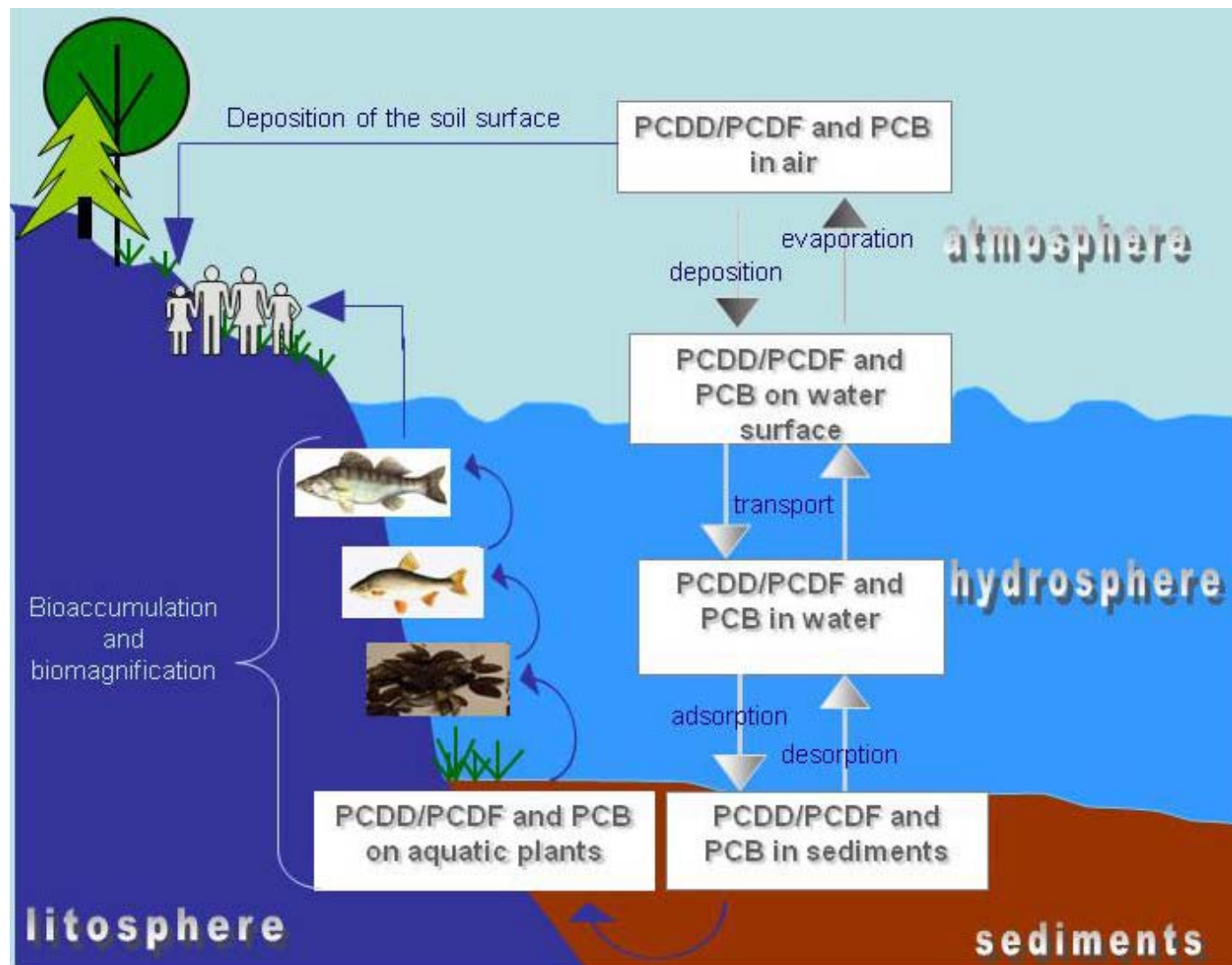


## Polychlorinated Biphenyls (PCBs) cont.

- Non-flammable, chemical stable, high boiling point and insulate electrical components well.
- Do not break down once in the environment and can be carried long distances (particularly when attached to fine sediment).
- Known to cause cancer in animals and considered a potential carcinogen to humans.







# Municipal Regional Permit Requirements

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Manage demo projects to ensure PCBs do not enter the storm drain, including:

- Establish legal authority to manage demolition projects
- Create a protocol to manage demolition projects
- Track projects and reduce PCB loads



# Legal Authority for Protocol

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- Staff recommends adoption of an ordinance to establish authority.
- Staff recommends using the BASMAA model ordinance.



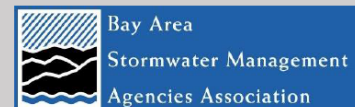


# Resources for Demolition Contractors

## PCBs in Priority Building Materials: Model Screening Assessment Applicant Package



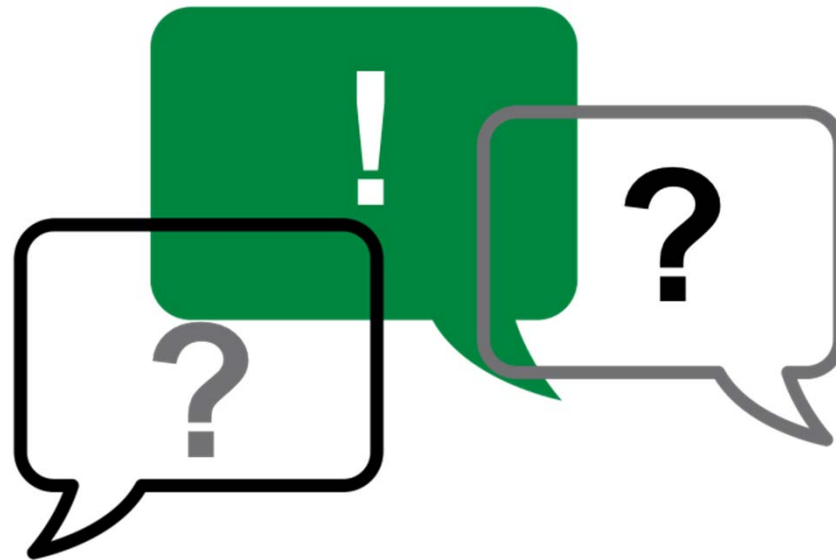
## Managing PCBs-Containing Building Materials during Demolition: Guidance, Tools, Outreach and Training



August 2018

# Questions

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# **PRESENTATION**

## **DRAFT ORDINANCE FOR THE REDUCTION OF SINGLE-USE FOOD SERVICE WARE**

MONDAY, MARCH 11, 2019



# Council Sustainability Committee

Plastic Straws & Utensils

March 11, 2019



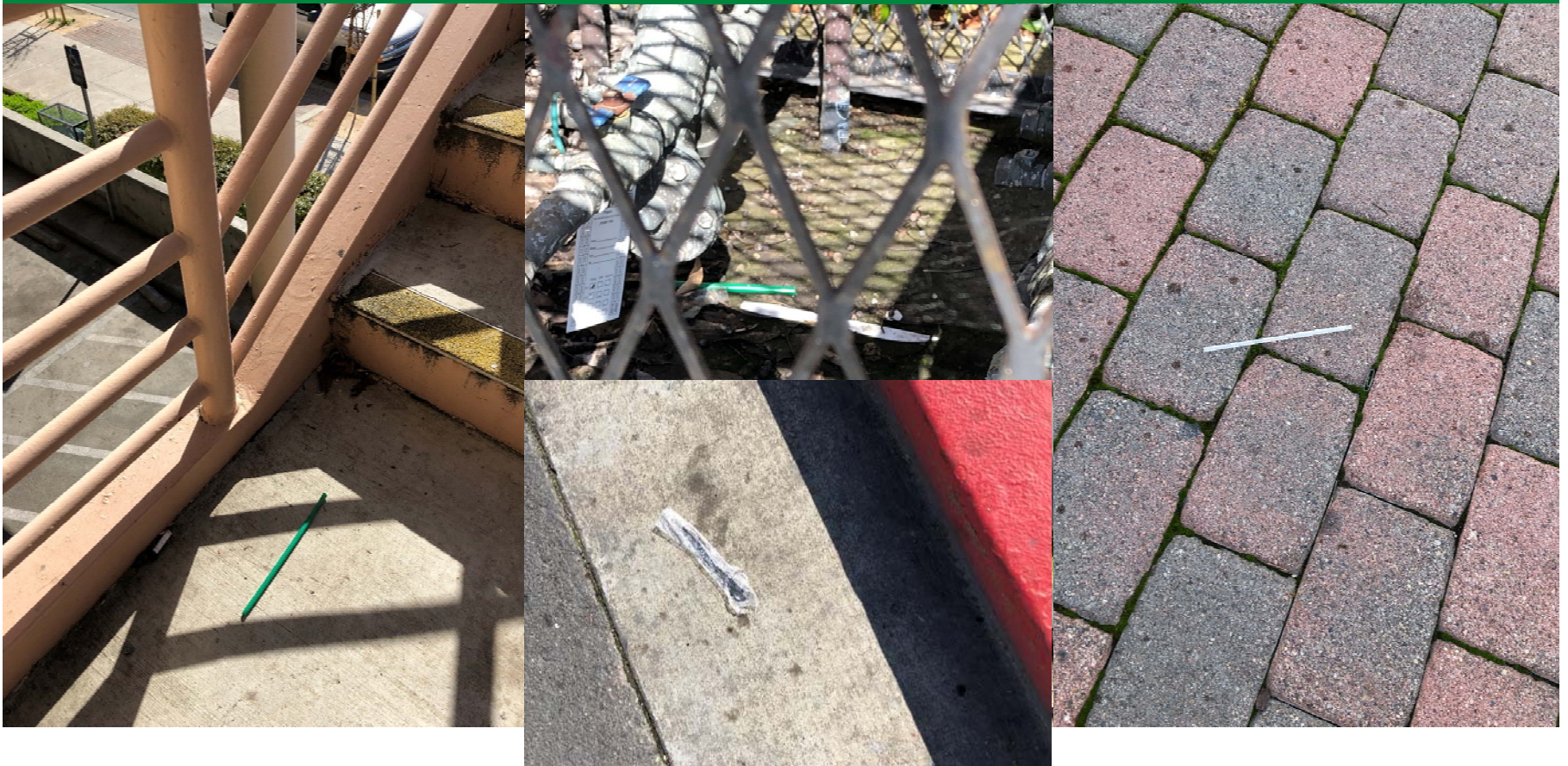


# Plastic Pollution





# Plastic Pollution





# Hayward Actions

2011: Ban on Take-Out Food  
Polystyrene Packaging



2012: Joined County-Wide Ban on  
Single-Use Plastic Bags



# Hayward Discussions

## **March 12, 2018:** Sustainability Committee

- See if Stopwaste would adopt County-wide ordinance in next 12 months
- Support AB 1884

## **September 24, 2018:** Sustainability Committee

- See if Stopwaste would adopt County-wide ordinance

# StopWaste Priority Setting

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## **WMA and the Source Reduction & Recycling Board**

Listed plastic pollution as most important issue to address, but did not pursue county-wide ordinance.

## **StopWaste Staff**

Plans to draft model ordinance sometime in “next year”.

# Draft Ordinance

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- Amend current Polystyrene Ordinance-
- Current Ordinance specifically allows for use of single-use disposable straws, utensils, or hot cup lids.
- Define these items as “Disposable food ware accessory”
  - Single-Use Disposable Straws
  - Utensils
  - Cup lids
  - Chopsticks
  - Beverage plugs
  - Cocktail Sticks
  - Stirrers
  - Toothpicks
  - Sleeves
  - Condiments Packages
  - Portion Cups

# Draft Ordinance

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- Only offer by request from customers.
- Include both take-out and dine-in establishments
- Exclude drive-through orders

# Stopwaste's Comments on Draft Ordinance

- Adopt consistent definitions as other jurisdictions
- Require BPI certification in definition of compostable items
- Definitions of accessories and food service ware could be confusing
- Include napkins



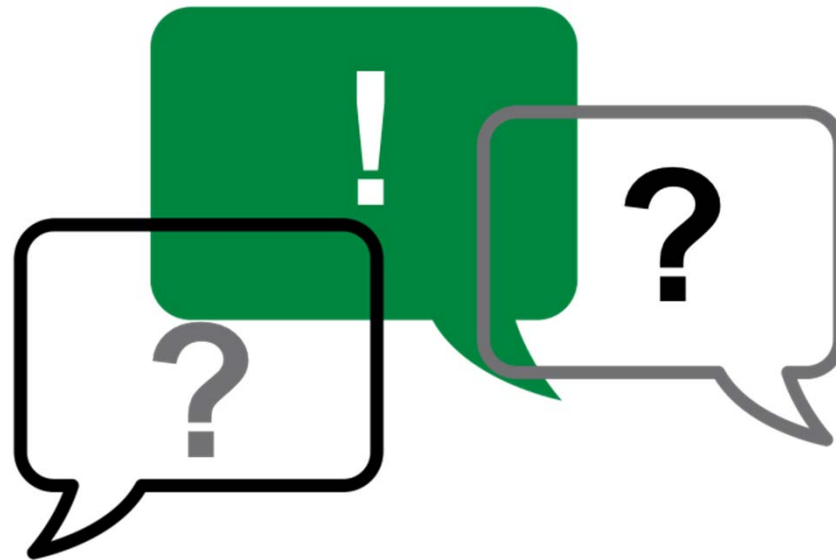
# Recommendation to Committee

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1. Recommends to Council adoption of an ordinance amending Chapter 5, Article 11 of the Hayward Municipal Code “Polystyrene Foam Disposable Food Service Ware Prohibited; Recyclable or Compostable Food Service Ware Required,” renaming the Article as “Disposable Food Service Ware,”
2. Items defined as “Disposable food ware accessory” only be offered by food vendors by request from customers.

# Questions

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# **PRESENTATION**

## **PARTICIPATION IN THE 8<sup>TH</sup> ANNUAL WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION**

MONDAY, MARCH 11, 2019

# **Wyland National Mayor's Challenge for Water Conservation Council Sustainability Committee**

March 11, 2019





## WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION

Participants make conservation pledges relating to water, pollution reduction, and energy.









Home



Daily Life




Yard



Community



[www.mywaterpledge.com](https://www.mywaterpledge.com)

← → ↻ [https://www.mywaterpledge.com/begin-pledge/?mode=&the\\_campaign=&the\\_location=3157](https://www.mywaterpledge.com/begin-pledge/?mode=&the_campaign=&the_location=3157) ☆

 WYLAND NATIONAL MAYOR'S CHALLENGE  
FOR WATER CONSERVATION

20%

I PLEDGE TO MAKE THE FOLLOWING CHOICES AT HOME:



- ☐ Repair leaking faucets, pipes and toilets
- ☐ Shorten your shower time, use low-flow devices and turn off the tap
- ☐ Wash only full loads of laundry and dishes
- ☐ Power down to save electricity

Next

The typical clothes washer uses about 41 gallons of water per load. If each household reduces one load per week, that is a savings of 2,132 gallons per year.

— Source: US EPA Green Building  
See the benefits behind each pledge.

Wyland Foundation.  
A non-profit 501(c)(3) community service organization.  
All rights reserved.

Official Rules and Privacy Policy

Website Designed by ByteLaunch

**APRIL 1-30**

*TAKE THE PLEDGE NOW*

[WWW.MYWATERPLEDGE.COM](http://WWW.MYWATERPLEDGE.COM)

  @WYLANDFOUNDATION

  
**TOYOTA**

- ❖ **\$3,000 in utility bill payments**
- ❖ **Toyota Highlander Hybrid donated to a local charity**
- ❖ **Hundreds of eco-friendly prizes**



# Promotion

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## The Leaflet

City of Hayward's Environmental Newsletter

## The Stack

Official Newsletter of the City of Hayward



Nextdoor



# Marketing Materials



[www.hayward-ca.gov/  
wyland-water-challenge](https://www.hayward-ca.gov/wyland-water-challenge)

The screenshot shows a web browser at the URL <https://www.hayward-ca.gov/content/wyland-water-challenge>. The page features a dark navigation bar with the Hayward logo and links for My Workbench, Dashboard, Content, Structure, Help, My drafts, Needs review, and user options (Hello kbyrne, Log out). Below this is a secondary navigation bar with links for POLICE, FIRE, AIRPORT, LIBRARY, MAKE A PAYMENT/ONLINE SERVICES, ACCESS HAYWARD, TRANSLATE, and SEARCH. The main content area has a light blue header for the "WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION" with a date of "APRIL 1-30" and a call to action "TAKE THE PLEDGE NOW" with the website "WWW.MYWATERPLEDGE.COM". The header also includes social media links for @WYLANDFOUNDATION and the Toyota logo. The main text area has a section titled "DO YOUR PART THIS EARTH MONTH" with a paragraph about the challenge and a list of prizes. Below this is a section titled "HOW IT WORKS" with three numbered steps. A blue button with the text "FR QVHUYDWIR Q# SUR JUDP V" is positioned to the right of the steps. At the bottom, there is a link "TAKE THE PLEDGE HERE".

## WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION

WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION

APRIL 1-30

TAKE THE PLEDGE NOW

WWW.MYWATERPLEDGE.COM

@WYLANDFOUNDATION

WYLAND FOUNDATION

TOYOTA

### DO YOUR PART THIS EARTH MONTH

Be entered to win \$3,000 toward their Home Utility Bills, and hundreds more eco-friendly prizes including Toro Irrigation Smart Controllers, ECOS home cleaning products, and home water fixture retrofits from EcoSystems Inc. In addition, residents can nominate a deserving charity from their city to receive a 2019 Toyota Highlander Hybrid.

### HOW IT WORKS

1. Take the "My Water Pledge" on behalf of Hayward.
2. See how much you've pledged to save.
3. Choose to enter the prize drawing.

FR QVHUYDWIR Q#  
SUR JUDP V

[TAKE THE PLEDGE HERE](#)

# Post-Contest Metrics



- ❖ Pledges
- ❖ Dollars saved
- ❖ Plastics eliminated
- ❖ Water saved
- ❖ Electricity saved
- ❖ Landfill waste reduced
- ❖ Emissions prevented

# Next Steps

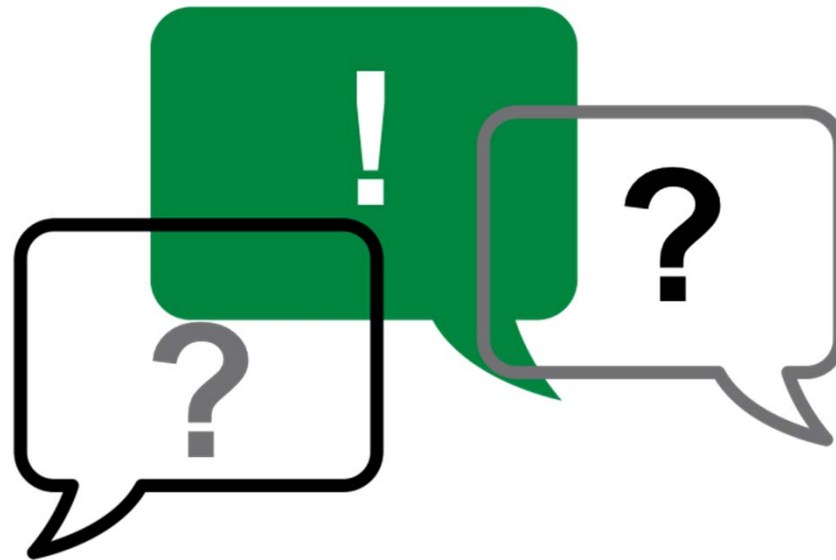
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Based on the Committee's comments, staff plans to proceed with the steps needed for Hayward to formally participate in the annual Wyland National Mayor's Challenge for Water Conservation in 2019.



# Questions

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# **PRESENTATION**

## **EAST BAY COMMUNITY ENERGY UPDATE**

MONDAY, MARCH 11, 2019

# **East Bay Community Energy**

## **Council Sustainability Committee**

March 11, 2019





## TAG UPDATE

PRESENTED BY: JP Ross  
DATE: FEBRUARY 20, 2019

# ENROLLMENT UPDATE



2



# EBCE Enrollment

	Eligible Accounts	Opt Out	%	Bright Choice	%	Brilliant 100	%	Renewable 100	%
ALBANY INC	7,153	143	2.00%	42	0.59%	6,881	96.20%	87	1.22%
BERKELEY INC	52,909	674	1.27%	51,183	96.74%	469	0.89%	582	1.10%
DUBLIN INC	24,577	687	2.80%	23,613	96.08%	252	1.03%	25	0.10%
EMERYVILLE INC	7,829	157	2.01%	7,546	96.39%	89	1.14%	37	0.47%
FREMONT INC	81,974	1,980	2.42%	79,275	96.71%	625	0.76%	93	0.11%
HAYWARD INC	54,908	1,563	2.85%	13,626	24.82%	39,690	72.28%	29	0.05%
LIVERMORE INC	33,629	2,831	8.42%	30,705	91.31%	46	0.14%	47	0.14%
OAKLAND INC	178,157	3,696	2.07%	172,288	96.71%	1,394	0.78%	779	0.44%
PIEDMONT INC	3,732	144	3.86%	127	3.40%	103	2.76%	3,358	89.98%
SAN LEANDRO INC	35,003	1,232	3.52%	33,414	95.46%	291	0.83%	66	0.19%
UNINC ALAMEDA CO	53,165	2,167	4.08%	50,712	95.39%	228	0.43%	58	0.11%
UNION CITY INC	23,0xx	656	2.85%	22,328	97.02%	19	0.08%		
<b>Total</b>	<b>556,0xx</b>	<b>15,930</b>	<b>2.86%</b>	<b>484,859</b>	<b>87.20%</b>	<b>50,087</b>	<b>9.01%</b>	<b>5,1xx</b>	<b>0.93%</b>

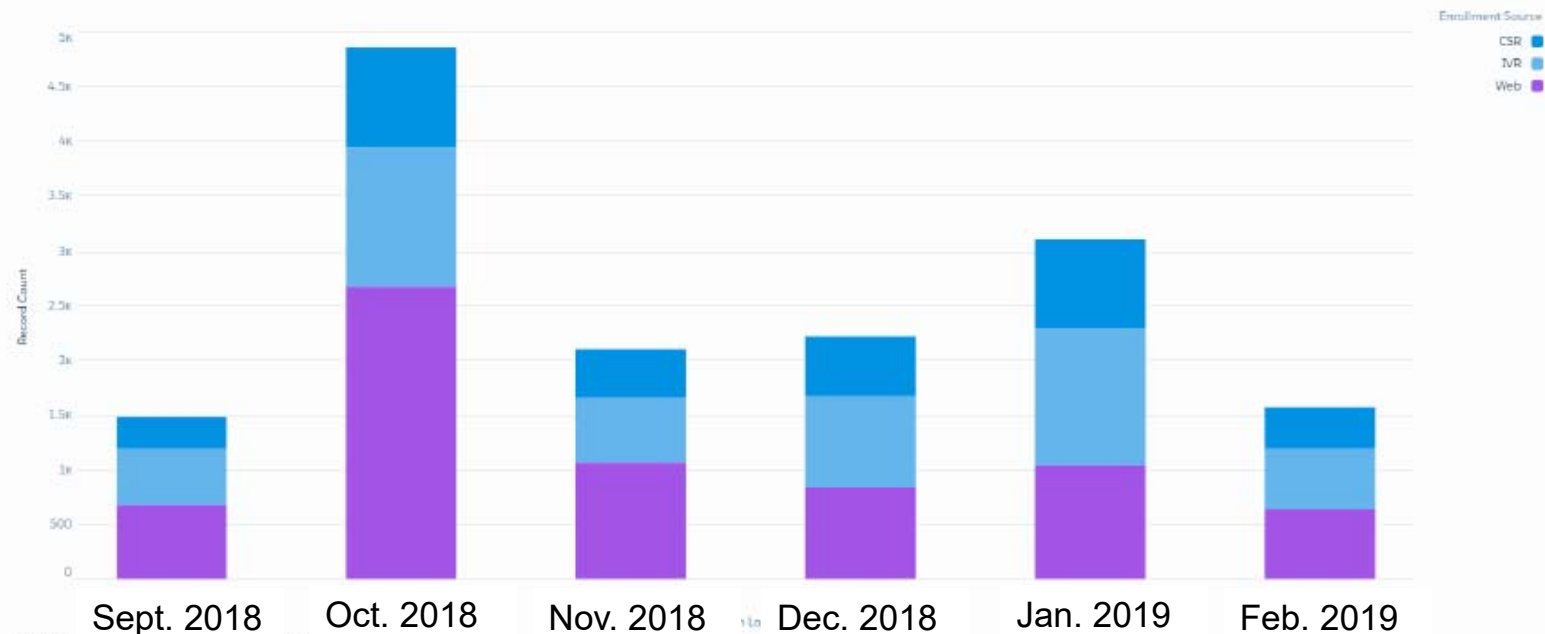
Data as of February 13, 2018

- Hayward and Albany defaulted residential and commercial accounts onto Brilliant 100.
  - Hayward customers on CARE/FERA programs defaulted onto Bright Choice.
- Piedmont defaulted residential and municipal accounts onto Renewable 100.
  - Customers on CARE/FERA programs defaulted into Brilliant 100.
- All other residential customers defaulted into Bright Choice.
- Municipal accounts for all cities except Livermore and Union City defaulted onto Brilliant 100.



# Residential Opt Outs

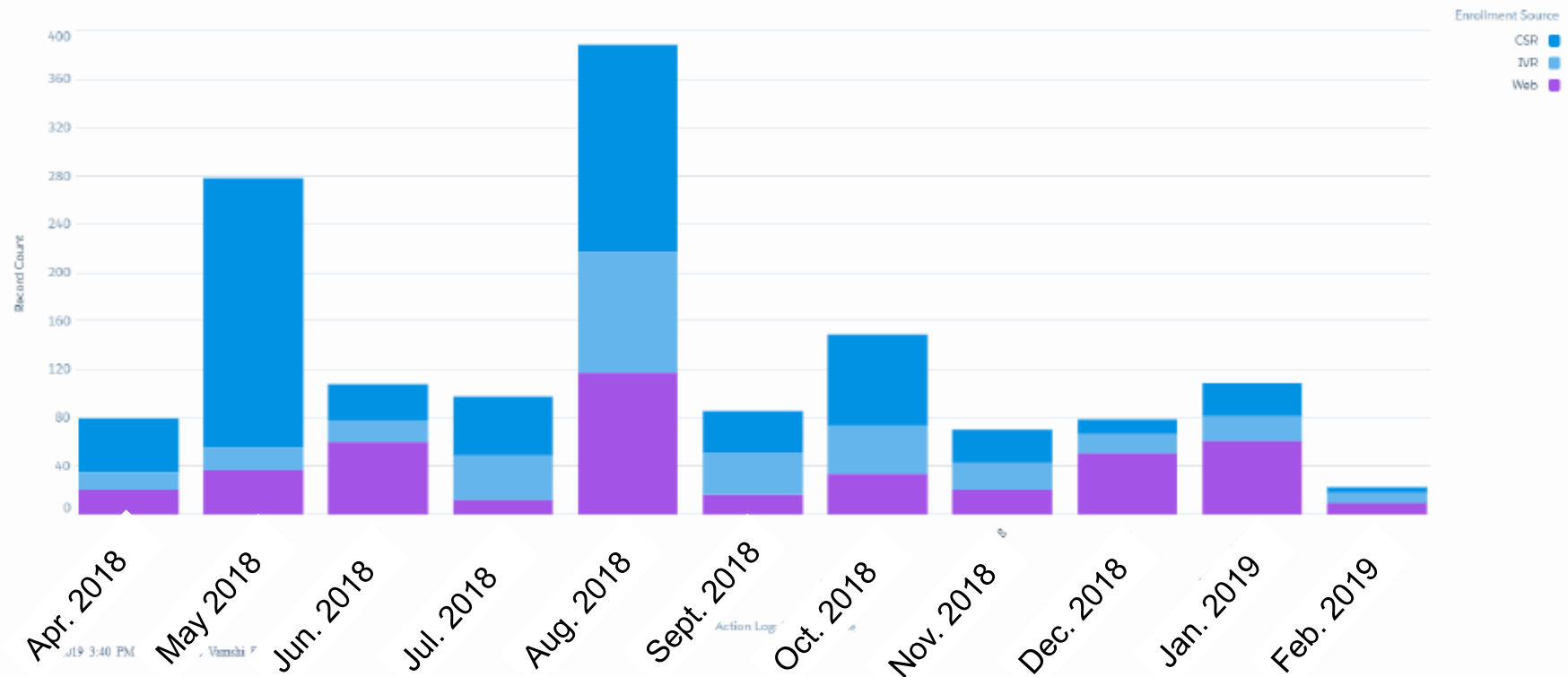
Monthly Opt Out Summary - EBCE



Divided by channel used to opt out: CSR = Customer Service Representative  
 IVR = Interactive Voice Response (automated phone system)  
 Web = Online web form

# Commercial Opt Outs

Monthly Opt Out Summary - EBCE



Divided by channel used to opt out: CSR = Customer Service Representative  
 IVR = Interactive Voice Response (automated phone system)  
 Web = Online web form

# Account Services

## January/Early February Opt Out Context

- EBCE charges appear for the **second bill**
- Increased media cover as PG&E planned and filed for **bankruptcy**
- Weather was colder in previous weeks, which leads to **increased usage** and a higher overall bill
- **Natural gas rates increased** leading to a higher overall bill
- **Inaccurate information** shared on social media and in press

## General

- Addressing **PG&E billing error** for approximately 50,000 customers
- Sent **first notification for NEM customers** in April enrollment
- On-going **new customer notifications** mailed bi-weekly



# On-Going Outreach

- Held seven events for “Understanding Your Bill”
  - Piedmont
  - Fremont
  - Hayward
  - Oakland
  - San Leandro
  - Livermore (2)
- Conducted first in-language Spanish workshop in Fruitvale
  - Video to be posted as online resource later this month
  - Next in-language Chinese workshop to be held in Oakland on 3/2





# LDBP UPDATE

# SUMMARY

- LDPB was approved in July, 2018 with \$2M budget
- Funding has been delayed date due to financial uncertainties
- EBCE is now in a position to develop and implement programs in line with our financial position
- LDBP program implementation has now commenced
- Plan to allocate \$625k for FY'19 programs
- Engage with stakeholders for FY'20 program and budget planning

# FY '19 PLANNED PROGRAM BUDGETS

- Energy Efficiency - \$75k
  - Partner with BayREN/StopWASTE and other Efficiency organizations
- Reach Codes - \$150k
  - Partner with cities to pass building electrification and EV reach codes for January 2020 code
- Community Investment Grants - \$150k
  - Provide grant opportunities to local organizations for energy and community development
- Solar + Storage Resiliency - BAAQMD Grant Funded
  - Identify distributed solar and storage opportunities on critical and government facilities
- Renewable Energy for City Meters – \$50k
  - Provide renewable product for city meters
- Grant Opportunities- \$100k
  - Pursue external funding to support LDBP and EBCE objectives



# REACH CODE PROGRAM

- Reach codes are city and county codes that go above and beyond California state standards
- Strong regional push to implement reach codes for 2020 code cycle for building electrification and electric vehicle charging
- City staff have expressed interest in Reach Codes in EBCE
- EBCE can leverage Competitive Solicitation issued by PCE/SVCE for technical consultant (TRC Engineering) who can support reach code development with EBCE cities that want to participate
  - \$200k for TRC consultant
  - \$100k in grants for Cities that put a reach code to their council



# FY '19 ADDITIONAL PROGRAMS

- Community Solar for Disadvantaged Communities
  - EBCE participating in PUC proceeding for DAC Community Solar Program
  - Plan to maximize EBCE participation
- Demand Response Pilot V2
  - Will take learnings from 2018 pilot and develop program for summer 2019
- Enhanced NEM
  - Currently offer +1c/KWh for Muni and Low Income customers
  - Budget is Procurement cost and will be based on uptake



# PLANNED VS. APPROVED BUDGET

LDBP Early Actions	Approved '18-'19 Budget	18-'19 LDBP Planned Activities	Proposed '18-'19 Budget
Demand Response	-\$100,000	Demand Response Program	-\$100,000
Energy Efficiency	-\$100,000	Efficiency Partnership	-\$75,000
Building Electrification	-\$50,000	Reach Codes*	-\$150,000
Transportation Electrification	-\$500,000		
MuniFIT	-\$223,368		
Community Shared Solar	-\$150,000	PUC DAC-CS and GT	\$0
Community NEM	-\$225,000	Solar+Storage Critical Facilities	-\$150,000
C&I RE Pilot	-\$100,000	City Renewable Purchase	-\$50,000
CA/Alameda County RFP	\$0	In Process	\$0
Oakland Clean Energy Initiative	\$0	In Process	\$0
Enhanced NEM	-\$104,593	Enhanced NEM	TBD
Community Investment	-\$450,000	Community Development	-\$150,000
		Grant Pursuit	-\$100,000
Sub-Total	-\$2,002,961		-\$775,000
Revenue		BAAQMD Grant (2019 portion)	\$150,000
Total	-\$2,002,961		-\$625,000

\* Total Reach code Program is \$300k, with \$150k to be spent in 2020

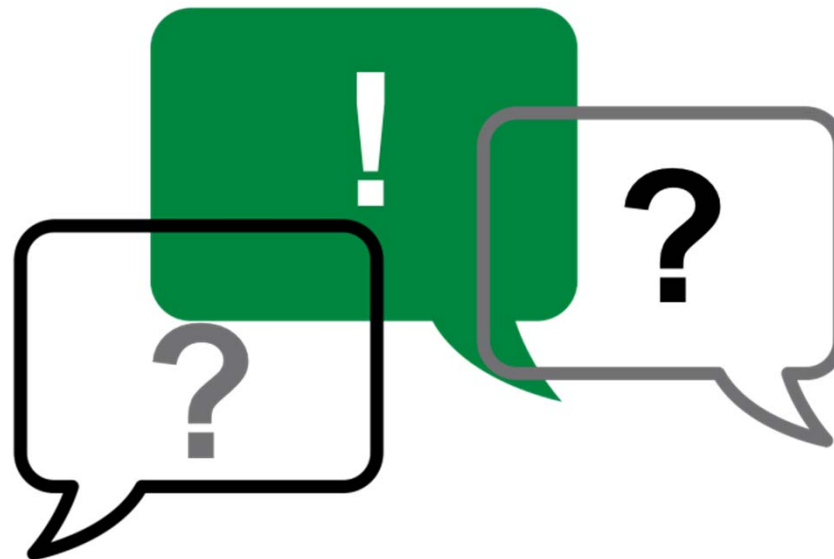
# NEXT STEPS – COMMUNITY OUTREACH

- Meeting with stakeholder groups to develop implementation plans for FY'19 proposed programs
  - Technical Advisory Group of City Sustainability Managers
  - Community Advisory Council
- Community Meetings to discuss FY '20 LDBP budget planning
  - April 4 CAC meeting will be dedicated to LDBP planning



# Questions

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# **PRESENTATION**

## **PROPOSED 2019 AGENDA PLANNING CALENDAR**

MONDAY, MARCH 11, 2019

# **Proposed 2019 Agenda Planning Calendar**

## **Council Sustainability Committee**

March 11, 2019





# Proposed 2019 Agenda Planning Calendar

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## May 13, 2019

Pay-As-You-Save (PAYS) Program

~~Long Term Water Conservation Framework~~ (Likely in November)

Draft Green Infrastructure Plan

Reach Code to Encourage Building Electrification

## July 8, 2019

Standard Conditions of Approval for New Development

Annual Update on City's Waste Reduction and Recycling Programs

Litter Reduction – Consideration of Alternatives

Draft Reach Code to Encourage Building Electrification

# Proposed 2019 Agenda Planning Calendar

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Unscheduled Items
City Tree Inventory & Urban Forest
Long Term Water Conservation Framework
<del>Illegal Dumping</del> (The What Works Cities project will focus on data management.)
Greenhouse Gas Inventory Update
Sustainable Groundwater Plan
Multifamily Building Energy Efficiency (update on CEC grant-funded work by StopWaste)
<u>Green New Deal</u>

# 2019 Meetings

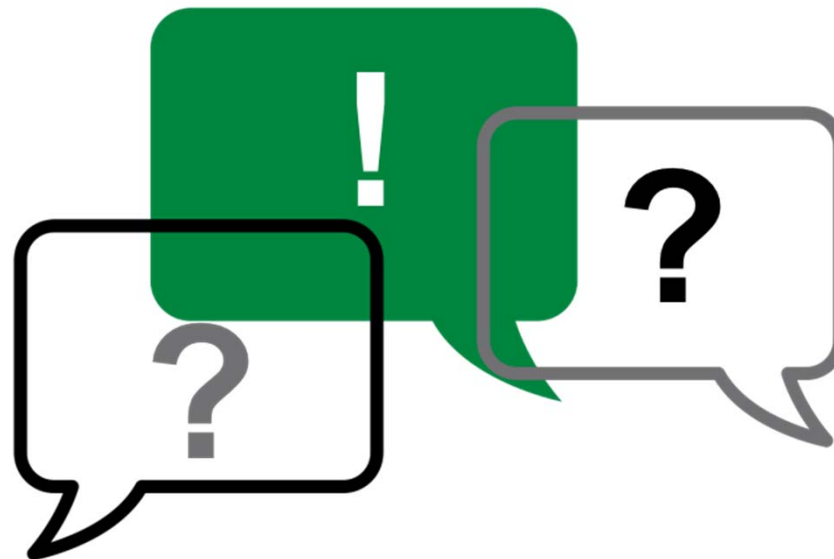
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Meeting dates for 2019 are:

- **January 14, 2019**
- **March 11, 2019**
- **May 13, 2019**
- **July 8, 2019**
- **September 10, 2019** (moved to Tuesday due to Admission Day being on September 9th)
- **November 12, 2019** (moved to Tuesday due to Veterans Day being on November 12th)

# Questions

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**END PRESENTATIONS**

MONDAY, MARCH 11, 2019